

# THE TECH

VOL. XXXII. NO. 21

BOSTON, MASS., THURSDAY, OCTOBER 24, 1912

PRICE TWO CENTS.

## RAMSAY GIVES SECOND LECTURE THIS EVENING.

### He Continues Discussion of the "Gases of the Atmosphere."

The second Lowell Institute lecture comes tonight in Huntington Hall, at 8 o'clock. Sir William Ramsay will continue his series of lectures on the "Discovery of the Gases of the Atmosphere," taking up the discussion of the experiments which led to the discovery of argon. At the last lecture he finished with the discovery of carbon dioxide, nitrogen and oxygen, although he has some lantern slides for tonight which show the apparatus used in their discovery. These slides were delayed by the Custom House. He also left an experiment at the end of the last lecture which will be completed tonight. It is the absorption of part of the air in an enclosed space by ferrous hydroxide, which is protected from the outside air by a layer of kerosene.

The principal topics of the talk tonight will be Lavoisier's Revolution, Cavendish's Discovery of Argon, and the Rediscovery of Argon by Rayleigh and Ramsay. It is the last topic, which is perhaps the most interesting, for the lecturer was one of the discoverers.

## GOLF TOURNAMENT.

### Entrance Fees Due at Cage Before Monday Night.

The Golf Club announces that all candidates for the Fall tournament are to leave their names and twenty-five cents each, as an entrance fee, at the Cage, addressed to the Golf Tournament Committee. All men who wish handicaps must hand in cards with three rounds of nine holes each at the Albemarle Golf Club, where the club is privileged to play. These cards must be left at the Cage before 5 o'clock on Monday afternoon, October 28.

A gold medal will be awarded for the winner in the match play tournament, a silver medal will be awarded for the best gross score, and a bronze medal for the best net score.

## DR. CRAWFORD TO SPEAK.

The T. C. A. has been fortunate in securing the Rev. George A. Crawford to speak this noon at the Union. Dr. Crawford has seen many years' service as Chaplain in the United States Navy, and has had a long and varied experience in many countries. He has also done newspaper work, having been at one time on the staff of the Boston Transcript. During the last few years he has been active in church work in Boston.

The Rev. Dr. Crawford's talk will be on the subject, "An Unanswerable Argument," and, if one may judge by the speaker's varied experience, it should be of considerable interest.

## FALL HANDICAP MEET.

All those wishing to enter the fall handicap meet will find the book in which to sign their names hanging on the outside of the entrance to the Union, near the Cage.

## SENIOR CLASS BALLOTS DUE OCTOBER THIRTY

### Twenty-five Men Are Nominated to Fill Eleven Positions As Class Officers.

The ballots of the Senior Class have been out for two days, and will be called in on October 30, at 4 o'clock. The nominees for President are L. H. Lehmler, L. C. Hart and W. R. Mattson.

Lehmler was Editor-in-Chief of THE TECH, after having been its Advertising Manager. He is President of the Mining Engineering Society, and also of the Cosmopolitan Club, and is a member of the Institute Committee. Larry Hart was Editor-in-Chief of Technique, Chairman of the Technique Electoral Committee, and Secretary of his class in his Sophomore year. He is also a member of the Institute Committee and of the Glee Club. Mattson was Treasurer of the class last year, Treasurer of the T. C. A., and a member of the Technique Electoral Committee.

The men who are running for Vice-President are A. W. Carpenter, R. B. Nichols and A. G. Ranney. Carpenter is in charge of the immigrant work of the Technology Christian Association, and is a member of the Program Committee of the Chemical Society. Nichols was Secretary of the class last year, and was a member of the Executive Committee in the Freshman year. He was also a member of the Junior Prom Committee. Ranney is Manager of the Hockey team, and was a member of the Junior Prom Committee.

The three candidates for Treasurer are R. D. Bonney, E. A. MacDonald and F. C. Warner. Bonney was on the Athletic Association last year, as well as being a member of the Technique Electoral Committee. MacDonald was in the Executive Committee of his class last year, and was History Editor of Technique. Warner was Assistant Editor of Technique, and is a member of the Glee Club.

(Continued on Page 2.)

## NEW 1914 BALLOTS.

### Necessary, Due to Mistake in Listing of Candidates.

Owing to important mistakes having been made in the listing of the 1914 candidates on the ballot sheet, it is imperative that new ones be printed before the voting can take place. The Election Committee regrets very much the delay, but it was due to one of those unavoidable accidents which often happen even in the best of places, especially when they are carried out practically and not theoretically. The new ballots will be ready in a few days with the revised list of candidates, and the committee particularly urges that all old ballots be destroyed at once, so that no mistake will be made and old ballots sent in in place of the new ones. This would naturally cause much confusion and might perhaps delay matters a few more days. The Election Committee also urges that all ballots be plainly marked so that it will entail no extra work in counting. A large amount of work is necessary to count these votes, and all care exercised by the voters will be greatly appreciated by the committee.

This afternoon, at 5 o'clock, the Banjo Club will hold a rehearsal. Coach Lansing will be present, and as this is the first time that he has been present since the music has been learned, the officers of the club feel that it is important that every man be present. Also any new men who have not yet been out are asked to come out and let Coach Lansing hear what they can do. Guitars are especially desired.

## "CONCERNING M. I. T." TO BE DISTRIBUTED.

### Books Have Been Shipped and Will be Given to All Freshmen and Others.

The shipment of "Concerning the Massachusetts Institute of Technology" has arrived and will be distributed to all the Freshmen and to those upperclassmen who apply for them. The book is modeled very closely after the former edition in the way of text. One new and attractive feature is the color scheme of the cover, in which the Institute colors are combined. The body is red with gray lettering. The book is dedicated to President MacLaurin with the following:

To  
RICHARD COCKFURN MACLAURIN,  
President of the Institute.  
Effective, Wise and Sympathetic. This  
Little Book is Respectfully  
Dedicated.

The order of the text first takes up a historical sketch, then treats of the characteristics of the Institute plan of education, followed by valuable ideas on the choice of a course of study. As in the former book, a description of each course follows, together with an article by Doctor A. A. Noyes on advanced study and research. Under the head of undergraduate life, all the clubs and societies are briefly outlined, with longer articles on the Union and the fraternities. The Institute Committee and the Undergraduate Finance Commissions are fully described. Several pages are then devoted to class organizations, followed by a model constitution.

Very good articles then appear on THE TECH, Tech Show and Technique dealing with the methods that (Continued on Page 2.)

## MANDOLIN REHEARSAL.

### Men Show Fine Progress and Prospects Are Very Good.

The Mandolin Club held a rehearsal yesterday at 4 o'clock, in the Union. A very effective medley of Italian arias was given out. The pieces are going pretty well and the club should be in good trim for the Winter Concert. The following men were present: R. A. Alton, H. R. Bassett, H. L. Pickford, H. W. Brown, W. A. Bryant, H. N. Calver, H. P. Claussen, A. V. DeBeech, R. H. Dickson, G. R. Duryea, D. O. Dunn, R. C. Fellows, L. S. Hall, D. O. Hooper, E. J. Kingsbury, G. D. Kittridge, L. B. McDaniel, E. L. Osborne, D. L. Patten, R. S. Rowlett, M. J. Sayward, E. C. Taylor, G. R. Thayer, C. H. Ober. The Mandolin Club will hold rehearsals every Wednesday and Friday until further notice.

## BANJO REHEARSAL

This afternoon, at 5 o'clock, the Banjo Club will hold a rehearsal. Coach Lansing will be present, and as this is the first time that he has been present since the music has been learned, the officers of the club feel that it is important that every man be present. Also any new men who have not yet been out are asked to come out and let Coach Lansing hear what they can do. Guitars are especially desired.

## WILSON CLUB MEETS THIS AFTERNOON

### Debate Speakers to Be Chosen—Committee and Parade Plans Made.

A meeting of the Woodrow Wilson Club will be held in the Union, at 4:30 this afternoon. This will be a business meeting to decide upon the speakers in the coming debate with the Progressive Club, and to make plans and a program for the time intervening before election.

President Peck will outline what has been done since the last meeting, and will complete and announce the membership of the various committees that will attend to the special details of the club's activity. In particular, he will discuss the plans for the coming college men's Woodrow Wilson parade.

The club urges upon the students who favor the election of Woodrow Wilson to the presidency in the coming national election to come to the meeting this afternoon and join the club.

Members of the club may be interested to know that there will be a rally this noon at Tremont Temple, conducted by the Woodrow Wilson League. They have secured as speakers Dr. Eliot, President Emeritus, of Harvard, and possibly John W. Cummings, of Fall River. Richard Olney will preside.

## RIFLE CLUB PRACTICE.

### To Be Held in Armory on Columbus Avenue Friday.

The Rifle Club commences practice this week at the First Corps Armory on Columbus avenue, on Friday, October 25. All old men, and especially the new candidates for the team, are requested to be present. This does not mean that any man who has not yet signed up as a member cannot come, but on the contrary, such men as are interested in the club are also invited to come down and make arrangements with the officers of the club to join.

The new Springfield rifles that Major Cole has procured for the Rifle Club have not yet come, and so for practice the old "Kraggs" will be used.

A Battalion Drill will be held at the Armory on Irvington street, on Monday, October 28, by the second battalion of the Coast Artillery Corps.

## CALENDAR.

Thursday, October 24, 1912.  
12:00—Woodrow Wilson College League Rally—Tremont Temple.  
2:05—Candidates for Assistant Publicity Manager—Tech Show Office.

4:00—Woodrow Wilson Club.  
4:15—Wireless Club—11 Eng. B.  
4:15—Orchestra Rehearsal  
5:00—Biological Society.  
5:30—Banjo Rehearsal.  
8:00—Lowell Lecture—Huntington Hall.

Friday, October 25, 1912.  
1:30—M. E. Trip to Watertown—Back Bay.  
4:30—Rifle Practice—Armory, Columbus avenue.  
7:30—E. E. Society—Union.

Orchestra Rehearsal -- 4:15 -- This Afternoon

# THE TECH

Entered as second-class matter, Sept. 15, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

#### MANAGING BOARD.

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H. Rogers, 1915.....	Societies Editor

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All communications should be addressed to the proper departments.

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THURSDAY, OCTOBER 24, 1912

#### VOTES FOR COLLEGE MEN.

It is most gratifying to see that two of our most important Eastern States are considering the removal of all legal obstacles that have heretofore prevented non-resident students from voting in the National election. A man's presidential vote, often his first, means a great deal to him, and when he is deprived of the privilege through a technicality which is, in the present day, quite absurd, we are brought face to face with another injustice which should take the attention of all public spirited men.

#### "CONCERNING M. I. T."

That the new edition of "Concerning M. I. T." has arrived and is ready for distribution, is a fact which we are glad to announce, particularly to all new students at the Institute. This little book has been the outcome of a much felt want for a means of placing before prospective students and those who are just entering the conditions of Institute life as they exist at the present time, together with a general historical sketch and other interesting material.

It will repay every new man to read the book from cover to cover, for he can in no other way get such a broad and at the same time correct idea of what Technology stands for in all its different activities.

We are sure that we express the feeling of all Institute men when we thank most heartily the men who have made this volume possible.

#### EDITORIAL CONTEST.

Following are the conditions of the Pi Delta Epsilon Editorial Contest:

1. All editorials must have the name, class and address of its writer on each page.

2. Each editorial must be addressed to Pi Delta Epsilon Contest Committee and left at the Cage or in the upper TECH office by 5 o'clock of the day on which it is due.

3. Each contestant must have written on at least seventy-five per cent of the subjects to qualify, and more credit will be allowed the contestant who writes on all subjects.

4. Contestants shall use their own judgment as to style and way of handling each subject, but shall refer to the editorial columns of THE TECH for the proper length.

5. Two subjects will be given out weekly during the first period of the contest, the first of which will be due on Tuesdays, and the second on Fridays. The subject for the editorial due on Tuesday will be published Saturday, and the second on Wednesday.

The subject for Friday's editorial is "Field Day." It may be treated in any way that the contestants see fit. It is due Friday at 5 o'clock.

#### E. E. SOCIETY WILL HAVE FIRST SMOKER.

Professor Adams of Harvard Will Speak—Refreshments to Be Served.

The first meeting of the Electrical Engineering Society will take place in the Union on Friday evening, at 7.30, and will be in the form of a smoker. All who are members of the society and also all Seniors and Juniors are invited to attend. Although a little business will be transacted, the meeting will be mostly of a social nature. Arrangements have been completed to serve those present with light refreshments, for which no remuneration will be asked.

The speaker of the evening will be Professor Adams of Harvard, who is acting head of the Department of Electrical Engineering here in the Institute, in place of Professor Jackson, who is in England on a leave of absence. There will, no doubt, be other speakers present, and efforts have been made to assure all those present a pleasant evening.

#### 1913 CLASS BALLOTS.

(Continued from Page 1.)

E. E. Corbett, H. Glidden and J. J. Strachan are the candidates for Secretary. Corbett has been prominent in class activities. Glidden is on the Glee Club and the Publication Committee of the Architectural Record. Strachan is President of the Civil Engineering Society, and was a member of Technique Electoral Committee.

Three men are out for Clerk. They are K. G. Blake, G. T. Lane and J. G. Russell. Russell is President of the Mechanical Engineering Society.

A. F. Brewer, E. W. Brewster, F. D. Murdock and H. D. Peck are out for Institute Committee. Brewer is Assistant Business Manager of Technique, and was Clerk last year, as well as member of the Technique Electoral Committee. Brewster is Treasurer of Technique, and was Vice-President of the class last year. Peck was President of the class, and has been prominent in almost every activity in the Institute. He is on the Advisory Council of THE TECH, and is acting President of the Institute Committee.

W. R. Rylund, W. F. Herbert and R. C. Thompson are running for the Athletic Association. Rylund was on the Electoral Committee, is Secretary-Treasurer of the M. I. T. A., and is prominent in track. Herbert is on the cross-country squad, and was a member of Technique Electoral. Thompson is on the Institute Committee, and also on the Electoral Committee.

The nominees for Executive Committee are R. B. Cross, G. R. Thayer and M. L. Waterman. G. R. Thayer was Stage Manager of the Show last year. M. L. Waterman is Treasurer of the N. E. J. A. A.

#### CONCERNING M. I. T.

(Continued from Page 1.)  
each use in handling their business. A calendar, very similar to that in the old edition, precedes the article on athletics. The latter contains a description of "Field Day," as well as an outline of the Varsity sports. The conditions necessary for winning Institute insignia and the Technology records then appear.

Four or five pages are devoted to an article on the Alumni, written by Mr. I. W. Litchfield. Under the head of Miscellaneous Information come articles on the Cage, Method of Registration, Banking System, etc.

The article on libraries is arranged in very good form, giving the location of each individual library. Summer schools and the Surveying Camp are then described. Two or three pages are next devoted to the department of Military Science. The last article in the text brings out the idea of the point system and gives points carried by members of all activities in the Institute.

#### BACK BAY BRANCH

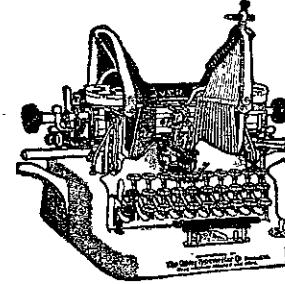
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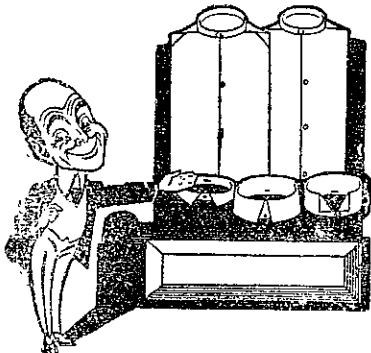
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#### CROSS-COUNTRY NEEDS MORE MEN FOR CONTESTS

Team This Year Will Take Part  
in Important I. C. A. A. A. A.  
at Ithaca.

The cross-country team held a run over the Tech course yesterday afternoon. Eighteen men, included in all classes, ran. Owing to the bad conditions, darkness and poor state of the roads, the time was necessarily slower than usual. The men finished in the following order: Nye, Lee, Hill Palmer, Best, Bonney, Wilkins, Loveland, White, Macdonald. Others who ran were Guething, Norris, Lovell, Wall, Norris, Hastie and Pollard.

It seems to be hard to get the men at the Institute to realize that there are greater honors than ever before for men who make the Varsity teams. Regulation gold, silver and bronze medals are to be given to the first five scoring members of each three teams in the first New England Intercollegiate cross-country championships.

As Tech is the instigator of these meetings, there ought to be more support from men of ability who could make the team if they wished. In the Institute at present there are few men who with proper training could not make the team.

The team is going to Cornell for the I. C. A. A. A. A. championships, and there is a better chance than ever before of placing Tech in its proper standing in these meets, which have been recognized as second in tabulation with other colleges. More than ever, stars at Cornell, Dartmouth, Brown, Pennsylvania and Harvard are going to separate the other scoring members of their relative teams, thereby giving a team like Tech's, made up of men of equal ability, a chance to score in the consecutive order.

#### VISIT TO WATERTOWN.

Mechanics to Make Trip to  
Arsenal Tomorrow.

The Mechanical Engineering Society will begin its season with a trip to the Watertown Arsenal. The men who wish to make the trip are expected to take the 1.30 train tomorrow from Trinity Place Station and to get off at Faneuil. They will meet at the main office in the grounds at 2.15 P. M.

Friday is one of the days upon which metal is poured at the foundry, and the Mechanics will have a chance to see this done. The machine shop will also be visited, and the men will be taken on a tour of inspection. The Watertown Arsenal is replete with things of interest to any man, whether he be a mechanical engineer or not, and so the trip tomorrow will probably be well patronized.

#### MAIL AT CAGE.

The amount of mail at the Cage that is left uncalled for is increasing instead of decreasing, and great quantities of it are sent back to the Bursar's office every week, where, after a great deal of hard work the addresses of the men are looked up and the mail is properly distributed. Bursar Rand has asked that students call for their mail at the Cage, for all mail that is sent to Tech students goes to the Cage first. The following men have mail at the Cage which they can receive for the asking:

D. Crowell,	D. L. Comiskey,
A. Sebsedo,	E. P. Collier,
S. Eynon,	J. N. Burford,
A. G. McLay,	Pablo Boola,
H. Frasine,	L. Armstrong,
E. B. Goodell, Jr.,	C. A. Cory,
S. Frechty,	O. D. Powell,
E. B. Carter,	F. J. Harbey,
M. de Vignal,	E. D. Dorchester, Jr.
W. Stephenson,	W. Dale,
F. H. Billings,	D. A. Canick,
H. W. Geromanos,	M. L. Emerson,
C. M. Curdy,	Ralph Davis.
F. H. Dillon,	

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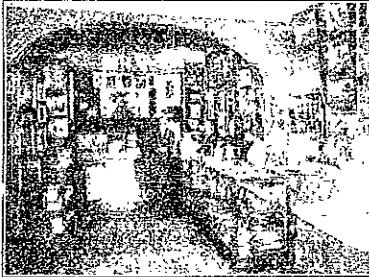
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**WIRELESS MEETING.**

Today, at 4.15 P. M., the Wireless Club will hold its first meeting of the year. To this meeting, which is an important one, all men who are at all interested in wireless are invited, and a chance will be given to join the society. The new men will be informed of the work of the club in the past, and the plans for the ensuing year will be discussed. At the second meeting it has been decided to elect a Freshman to the Board of Directors.

**GLEE CLUB TRIALS** will be held Wednesday, Oct. 30, from 4.30 to 5.30, in the Union.

**LOST**—On Boylston street, about 5.30 P. M., Oct. 22, a 10-inch Kand E slide rule and case. Reward if returned to F. G. Perry, 28A Lowell Bldg.

1913 Class ballots may be obtained at the Cage. They are due at 4 P. M. Wednesday, October 30.

1913 ELECTIVE COMMITTEE.

(19-St)

**PRECISION OF MEASUREMENTS.**

The lectures in Precision of Measurements for entering College Students will be held on Mondays and Fridays at 4 P. M., in Room 23, Walker Building, during the first five weeks. (8-tf) H. M. GOODWIN.

**FREE TICKETS** to the Museum of Fine Arts for the year 1912-13 will be issued to students upon application at the ticket office at the entrance to the Museum. (6-tf)

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**WILL** all members of Phi Delta Theta in Tech please send their addresses to Homer H. Berger, secretary of the Harvard Phi Delta Club, at 62 Perkins Hall, Cambridge.

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